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WALF WE

16 February 1960

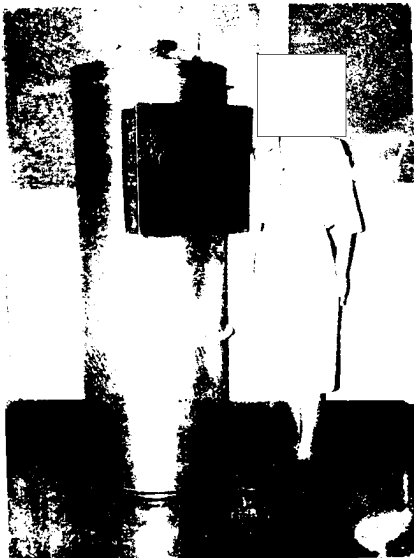
*Destructor System
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MEMORANDUM FOR THE RECORD

SUBJECT: Initial Inspection of Model 2 Incinerator

1. On the 11th of February I visited [] for the purpose of making an initial inspection of the design for the Model 2 incinerator. Attached below are photographs of the cardboard (fibreboard) mockup.

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2. This model is 63-3/4" high x 24" outside diameter. The burn chamber is 36" high x 20" inside diameter. The portion of the cylinder from the flange down is designed to contain the motor-blower. Preliminary burn tests, which should begin in a month, will be conducted with a blower assembly located outside of the cylinder. A motor-blower assembly will not be procured until just prior to the final testing to be sure the right motor-blower assembly is purchased the first time. The door is 15" square and will nicely handle a legal size folder as shown in the photograph.

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3. Several minor changes were suggested prior to assembly of this model incinerator. These suggested changes were:

- a. Try to move the door pivot point intowards the cylinder (1").
- b. Move clean out ports to the sides.
- c. Try to keep all the bolt sizes uniform.
- d. Include two site ports on top (and one on side).
- e. Consider a lock fixture for the door handle.
- f. Incorporate an interlock for the door.

4. During this visit a portion of the discussion was set aside for Air-Fed Incinerator Model 1. During this discussion it was pointed out that several points were omitted in the drawings. Additional drawings or information is necessary regarding:

- a. Instrumentation
- b. Nozzle for air pressure (brass hose bib and steel coupling)
- c. Stack and hole or steel coupling for thermocouple
- d. Rubber tubing
- e. Stencilling of instructions (these will be added to the purchase description.)
- f. One size bolts and nuts for all applications

5. A side visit was made to the [redacted] This company will be one of the bidders in the fabrication of the four incinerators to be produced. [redacted] was contacted at this company.

6. [redacted] informed me the people to contact at [redacted] Company reagrding any desired changes in the motor-blower assembly are [redacted] Chief Engineer, and [redacted] Their telehpone number [redacted]

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Model 2 *Handwritten notes*
 220 Volt 1½ HP 3 PHASE 60 cycle
 3450 RPM, 35 AMPS. START 5 AMPS RUN
 Generator - 2 KW 800 CFM

Automatic Cut-On/Off of Air w/ Mechanical Interlock

Instrumentation

Frank would like to do away from instrumentation.

Only have 1 sight port (at top).
 Decide to change temp. scale to a Tri-color scale rather than marked scale.

Must assure ourselves that the unit will operate continuously (under safe condition) for 24 hour period without hazard of burning out unit.

Will eliminate pressure gage and only maintain temperature colored scale.

If everything goes reasonably well anticipate this unit will be completed in July.

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